program in order to get a selected information in the external application program; and

a performing unit performing at least any one of processes including a process of controlling said information storing unit, a process of controlling said message transmitting unit and a process of controlling said drawing unit, in accordance with the result of the analysis reported from said event analyzing unit,

wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event analyzing unit, the selected information is created as an information object so as to be shown on said transparent window by said drawing unit such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 1, 17, 21, 25, 26 and 27 have been amended. Claims 1-27 are pending and under consideration.

REJECTION UNDER 35 U.S.C. §103:

Claims 1-3, 17-18, 21-22 and 25-27 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 5,659,791 to Nakajima et al. in view of U.S. Patent 5,421,015 to Khoyi et al. and U.S. Patent 5,651,107 to Frank et al. Claims 4-12, 16, 19-20 and 23-24 are rejected under 35 U.S.C. §103(a) as being unpatentable over Nakajima in view of Khoyi et al. and Frank and further in view of Person. Claims 13-15 are rejected under 35 U.S.C. §103(a) as being unpatentable over Nakajima in view of Khoyi, Frank and Person and further in view of Microsoft.

The present invention has a transparent window which overlaps other application windows and creates an object by working with the underlying application programs. The

present invention also controls information about the objects created on the basis of the information obtained from the other application programs so as to relate the respective objects or to change the contents of the created objects.

The present invention is capable of obtaining information from another application program through a transparent window to create an object, and displaying the object on the basis of the attributes (text or graphic) of the object created on the transparent window. The present invention is also capable of relating objects or changing the contents of the created objects.

Using independent claim 17 as an example, this claim recites "said transparent window having a position and size being a same position and a same size as said window . . . wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window."

Frank discloses a window system capable of displaying a window through overlaid windows by changing the degrees of transparency. This is done by changing α values. The system also permits the operation of an underlying window through overlaid windows by making access to the user interface without changing the degrees of transparency. However, this reference fails to disclose the technology for obtaining information from an underlying window or from an application program to create an object or for changing the display method in accordance with the attribution of the object. This reference also fails to teach or suggest the transparent window changing position or size with the window.

Accordingly, Frank does not teach or suggest a feature of claim 17. The remaining references do not overcome this deficiency in Frank, and are not relied upon for this purpose.

The remaining claims are similarly patentable over the cited references.

Furthermore, it is submitted that the Examiner's combination is improper. Specifically, Nakajima et al. and Khoyi et al. do not disclose overlapping the information objects and the external application program, therefore there is no motivation to use a transparent window in combination with these references. Instead, Nakajima et al. discloses dragging information from a document and storing the information as a display scrap icon 42 which does not overlap the main text. Nakajima et al., FIGS. 2 and 4. Khoyi et al. generally relates to processing the data, as opposed to displaying the data, and therefore does not appear to disclose overlapping the displays. Insofar as neither of these references disclose overlapping displays, there would be no

advantage in using a transparent display in combination with these references, and therefore no motivation to use this technique.

Accordingly, withdrawal of the rejections is requested.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this Amendment, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: ___9-23-02___   By: _____
                                  Michael J. Badagliacca
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please **AMEND** claims 1, 17, 21, 25, 26 and 27 as follows:

1.   (SIX TIMES AMENDED) An information fragments editing system for executing

an application program for obtaining information from an external application program to show

the obtained information as an information object, comprising:

a unit for displaying, on a window displaying information controlled by an external

application program, a transparent window through which contents of the information controlled

by the external application program is seen, said transparent window having a position and size

being a same position and a same size as said window;

an information storing unit storing contents and attribute information of an information

object to be shown, the attribute information being concerned with showing the information

object and including object ID, object type, information type, priority for showing, time stamp,

object ID of link-destination object and object ID of a next object which are able to be modified

after being created as an information object;

a drawing unit drawing the information object on said transparent window in accordance

with the contents and attribute information relating to the display of the object stored in said

information storing unit, the drawing unit changing a manner of drawing the information object on

the basis of the attribute information;

an event analyzing unit analyzing all the events from an operation system and reporting a

result of the analysis;

a message transmitting unit transmitting a control message to an external application

program in order to get a selected information in the external application program; and

a performing unit performing at least any one of processes including a process of

controlling said information storing unit, a process of controlling said message transmitting unit and a process of controlling said drawing unit, in accordance with the result of the analysis reported from said event analyzing unit,

wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event analyzing unit, the selected information is created as an information object so as to be shown on said transparent window by said drawing unit such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

17.   (SIX TIMES AMENDED) A computer memory product storing a computer program for obtaining information from an external application program and showing the obtained information as an information object, said computer program comprising the steps of:

displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

analyzing an event for selecting information to be obtained from an external application program;

obtaining information from the external application program in accordance with the result of the analysis;

creating an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are

able to be modified after being created as an information object; and

showing the information object on said transparent window in accordance with information contents and attribute information relating to display of objects such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

21. (FIVE TIMES AMENDED) A computer memory product having computer readable program code means capable of reading by a computer for obtaining information from an external application program and showing the obtained information as an information object, said computer readable program code means comprising:

program code means for causing the computer to display, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

program code means for causing the computer to analyze an event for selecting information to be obtained from an external application program;

program code means for causing the computer to obtain information from the external application program in accordance with the result of the analysis;

program code means for causing the computer to create an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being

created as an information object; and

program code means for causing the computer to display the information object on said transparent window in accordance with information contents and attribute information relating to display of objects such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

25.   (TWICE AMENDED) A computer readable storage controlling a computer by:

displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

analyzing an event for selecting information to be obtained from an external application program and obtaining information from the external application program in accordance with the result of the analysis;

creating an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

displaying the information object on said transparent window in accordance with information contents and attribute information relating to display of objects,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

26.   (TWICE AMENDED) A computer memory product having computer readable program code capable of reading by a computer for obtaining information from an external application program and showing the obtained information as an information object, said computer readable program code comprising:

code causing the computer to display, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

code causing the computer to analyze an event for selecting information to be obtained from an external application program and to obtain information from the external application program in accordance with the result of the analysis;

code causing the computer to create an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

code for causing the computer to display the information object on the transparent window in accordance with information contents and attribute information relating to display of objects.

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

27.   (ONCE AMENDED) An information fragments editing system for executing an application program for obtaining information from all external application program to show the obtained information as an information object, comprising:

14

a unit for displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

an information storing unit storing contents and attribute information of an information object to be shown;

a drawing unit drawing the information object on said transparent window in accordance with the contents and attribute information relating to the display of the object stored in said information storing unit, the drawing unit changing a manner of drawing the information object on the basis of the attribute information;

an event analyzing unit analyzing all the events from an operation system and reporting a result of the analysis;

a message transmitting unit transmitting a control message to an external application program in order to get a selected information in the external application program; and

a performing unit performing at least any one of processes including a process of controlling said information storing unit, a process of controlling said message transmitting unit and a process of controlling said drawing unit, in accordance with the result of the analysis reported from said event analyzing unit,

wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event analyzing unit, the selected information is created as an information object so as to be shown on said transparent window by said drawing unit such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

15